

# CITY OF LODI

## COUNCIL COMMUNICATION

AGENDA TITLE: Approve specifications and authorize advertisement for bids for power utility duct and fittings (EUD)

MEETING DATE: March 5, 2003

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for power utility duct and fittings listed below.

BACKGROUND INFORMATION: The Engineering Division of the Electric Utility Department is preparing or has prepared work orders for installation of electrical service in several new residential subdivisions. Items and quantities expected to be required for those work orders are as follows:

2" Power & Communications (P&C) Duct DB120 Conduit	53,200 feet
2" PVC Schedule 40 Longline Coupling	900 each
2" PVC Schedule 40 22.5-degree Elbow, 36" Radius	100 each
2" P&C DB120 90-degree Elbow, 36" Radius	475 each
3" P&C Duct DB120 Conduit	16,000 feet
3" PVC Schedule 40 Longline Coupling	225 each
3" PVC Schedule 40 22.5-degree Elbow, 18" Radius	40 each
3" P&C DB120 90-degree Elbow, 36" Radius	225 each
6" P&C Duct DB120 Conduit	4,680 feet
Clear PVC Cement	240 qts

Some of the subdivisions planned for service installation are Century Meadows #1 Units 2 and 3, Century Meadows #2 Unit 4, Meadows #3 Unit 4, Almondwood Estates, Legacy Estates, and Woodhaven #3.

FUNDING: Electric Utility Department's Fiscal Year Plan, Page E-29  
Estimated Cost: \$46,000

BID OPENING: March 19, 2003



Alan N. Vallow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer  
c Manager, EUD Engineering and Operations

APPROVED: \_\_\_\_\_

H. Dixon Flynn -- City Manager

**SECTION I - POWER UTILITY DUCT****General:**

This specification is for power and communication duct for use in the City of Lodi's 12.0-kv underground distribution system.

**Specific Specifications:**

Polyvinyl chloride (PVC), direct-buried duct, DB-120.

Lengths, overall, including integral coupling: 20 ft., +1 -0 inch.

**Standards:**

The duct shall meet the requirements of the latest editions of applicable NEMA TC-6, NEMA TC-8 and ASTM F-512.

**Shipping:**

As required to ensure product integrity and quality upon delivery.

**Markings:**

All required markings shall be legible and so applied as to remain legible under normal handling and installation practices.

Duct shall be marked with the following:

1. Manufacturer's name or trademark
2. Nominal size
3. Material: PVC
4. NEMA TC-8 and ASTM F-512
5. Type: DB-120
6. Any additional marking deemed necessary by the manufacturer.

**SECTION II - FITTINGS**

The following manufacturers and their respective part numbers have been approved and are acceptable for this bid:

Item Description	Carlton	PWPipe	Cantex
2" Sweep 90°, DB-120 36" Radius	PH9FJ	8190360200	5125869
2" Elbow 22.5°, PVC Sched 40 36" Rad BE	UA5FJB	7522360200	5233851
2" Coupling, PVC Sched 40 Longline	E941J	60020200	6202000
3" Sweep 90°, DB-120 36" Radius	PH9FL	8190360300	5125872
3" Elbow 22.5°, PVC Sched 40 18" Rad BE	UA5CLB	7522180300	5233845
3" Coupling, PVC Sched 40 Longline	E941L	60020300	6202005